

Multiple sequence alignment of five AChE sequences, three BuChE sequences and the human amyloid precursor polypeptide at the region of interest

The polybenzimidazocoumarins are:

Humanche = Human AChE; Rabache = rabbit AChE; Musache = mouse AChE; Ratache = rat AChE; Bovache = bovine AChE; Humumbche = human BuChE; Rabbche = rabbit BuChE; Musbche = mouse BuChE; Hum Amyl = human A4 amyloid precursor protein

residues in bold are conserved across all sequences; boxed residues are shared by all AChEs and A4, but by none of the BuChEs. The amyloid peptide 1-42 is shown as a light grey box. The bar above the alignment shows the position of the AChE and BuChE synthetic peptides; the bar below the alignment the synthetic APP neuropeptide.